

How to change rear wheel bearing on Opel Meriva X03 – replacement guide

 VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
OPEL ASTRA G Convertible (T98) 1.6 16V (F67), OPEL ASTRA G Coupe (T98) 1.6 16V (F07), OPEL ASTRA G Estate (T98) 1.6 16V (F35), OPEL ASTRA G Hatchback (T98) 1.6 16V (F08, F48), OPEL ASTRA G Hatchback (T98) 1.6 LPG (F08, F48), OPEL ASTRA G Saloon (T98) 1.6 16V (F69), OPEL ASTRA G Saloon (T98) 1.6 LPG (F69), OPEL MERIVA A MPV (X03) 1.6 16V (E75), OPEL ZAFIRA A MPV (T98) 1.6 16V (F75)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – OPEL MERIVA X03. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Torque wrench
- Combination spanner #13
- Combination spanner #17
- Drive socket # E8
- Drive socket # 13
- Drive socket # 16
- Drive socket # E20
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hammer
- Water pump pliers
- Crow bar
- Wheel chock



Replacement: wheel bearing – Opel Meriva X03. AUTODOC experts recommend:

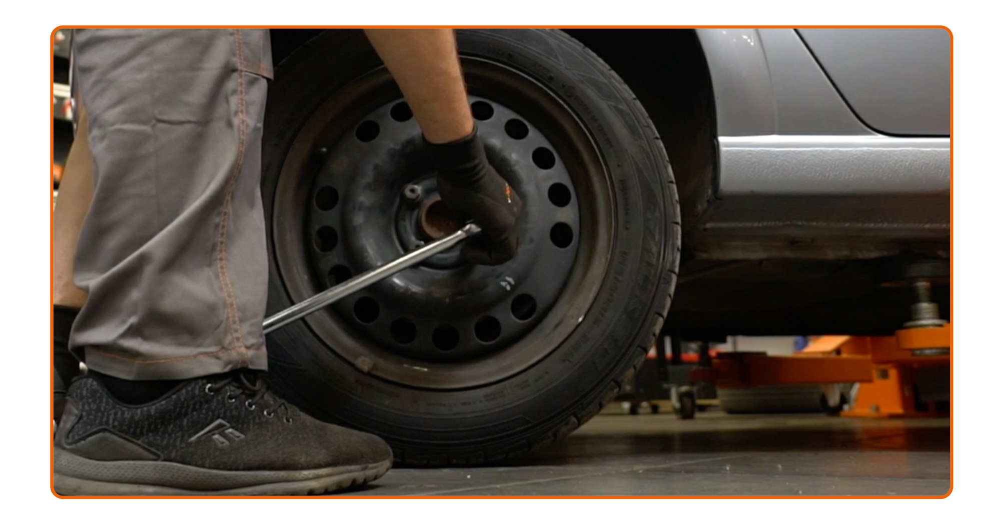
- Do not re-use the bearing assembly of your Opel Meriva X03 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – Opel Meriva X03 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

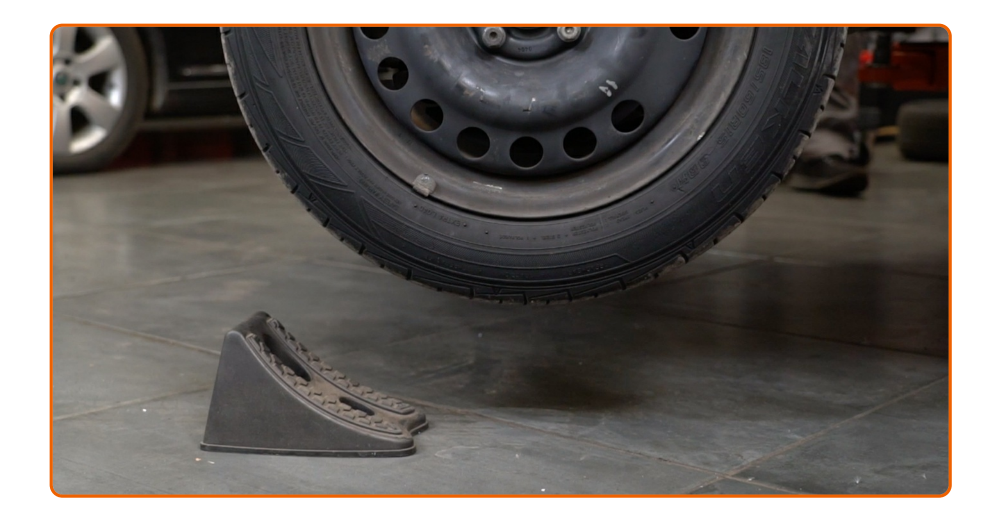
Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #17.

3



Raise the rear of the car and secure on supports.

4



Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Opel Meriva X03

5



Remove the wheel.

6



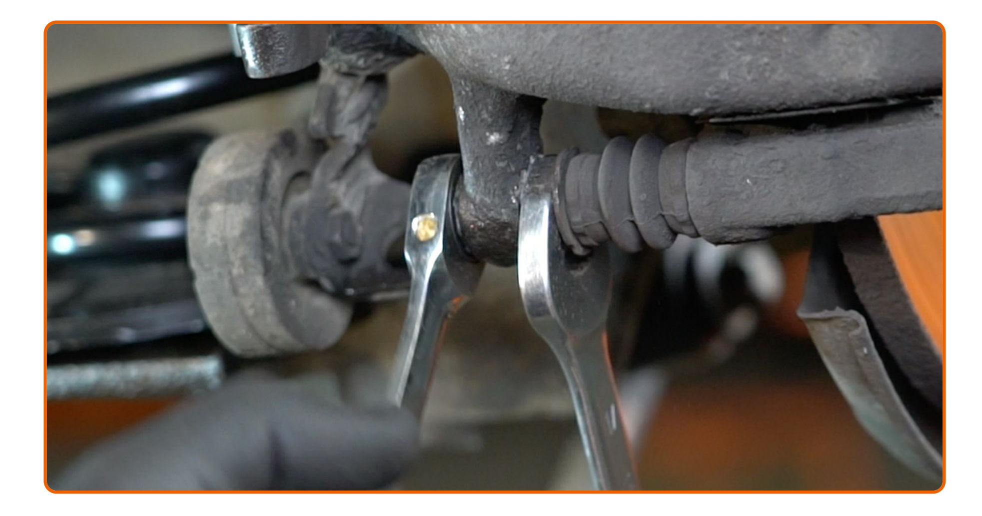
Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

7



Release the parking brake cable. Use water pump pliers. Use a crowbar.

8



Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #17.

9



Spread the brake pads. Use a crowbar.

10



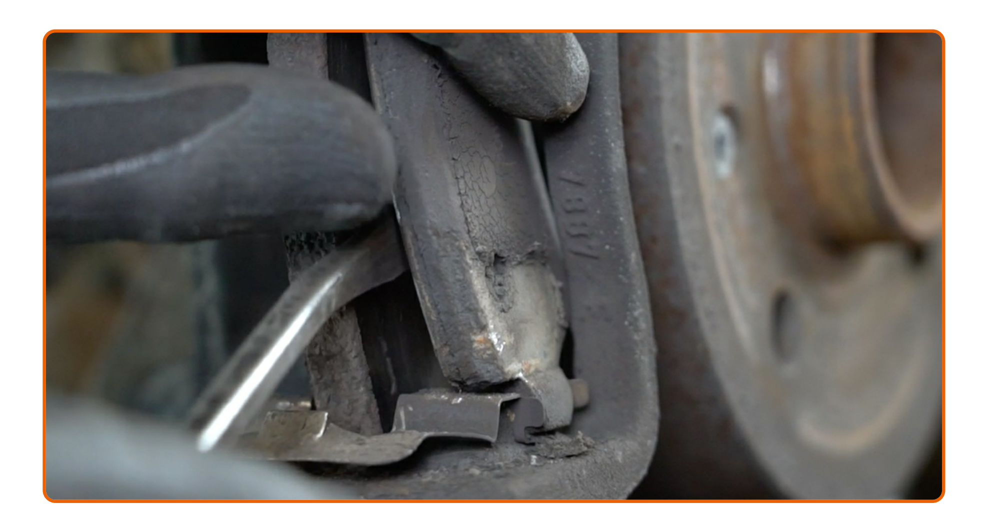
Remove the brake caliper.



Replacement: wheel bearing – Opel Meriva X03. Tip from AUTODOC:

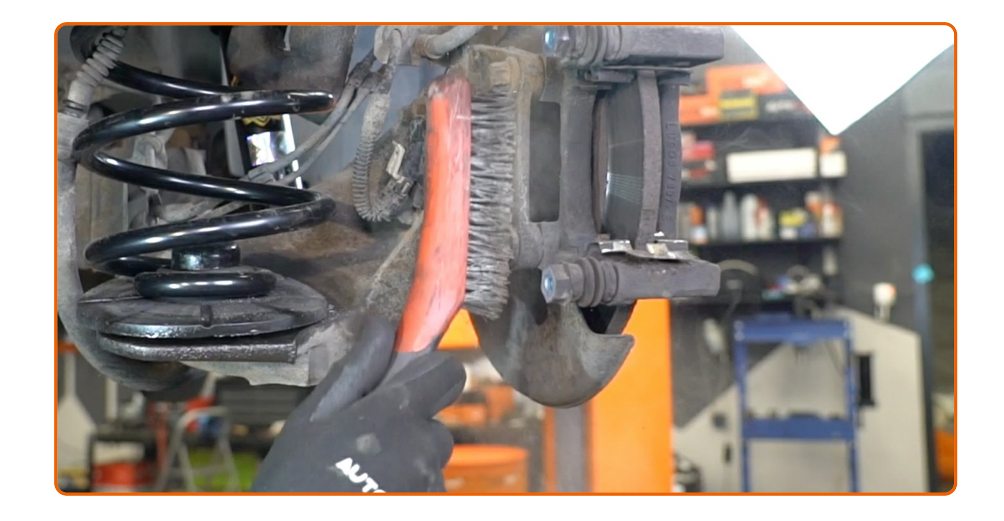
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

11



Remove the brake pads. Use a crowbar.

12



Clean the brake caliper bracket fasteners. Use a wire brush. Use a brake cleaner.

AUTODOC recommends:

- Replacement: wheel bearing – Opel Meriva X03. After applying the spray, wait a few minutes.

13



Unscrew the caliper bracket fastening. Use a drive socket #E20. Use a tap wrench.



14



Remove the caliper bracket.

15



Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.

16



Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.

17



Remove the brake disc. Use a hammer.

18



Disconnect the ABS sensor wiring.

19



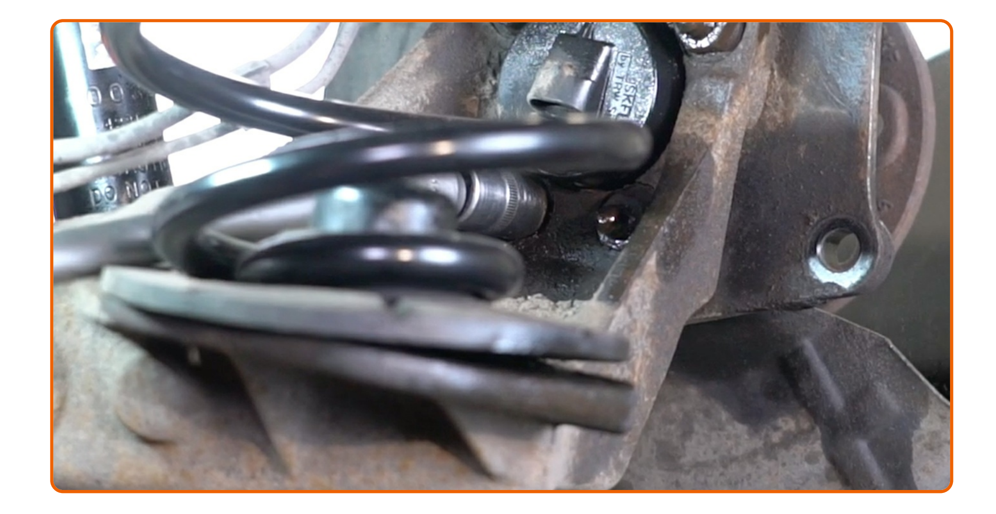
Detach the ABS sensor connector. Use a crowbar.

20



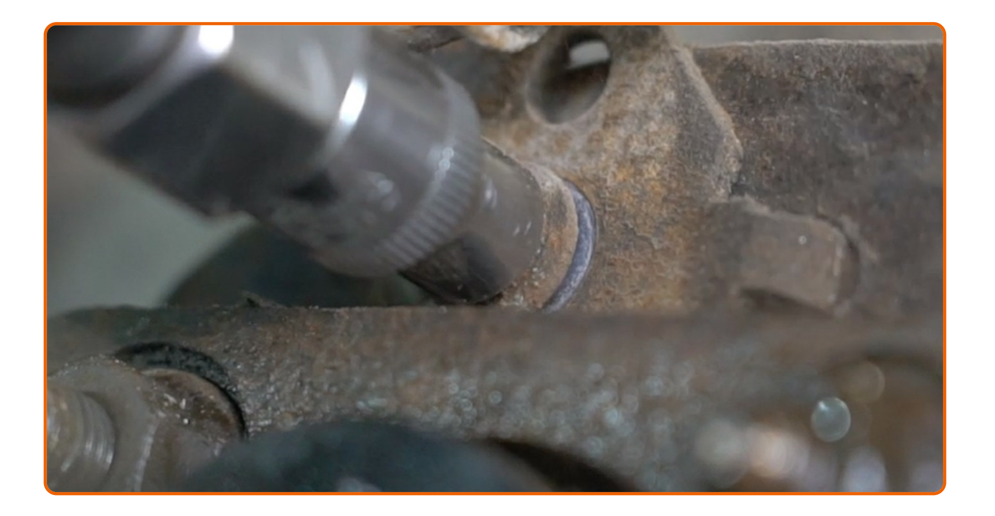
Clean the fasteners of the wheel hub bearing. Use a wire brush. Use WD-40 spray.

21



Unscrew the hub bearing nuts. Use a drive socket #16. Use a ratchet wrench.

22



Unscrew the fastener of the ABS wiring harness bracket. Use a drive socket #E8. Use a ratchet wrench.

23

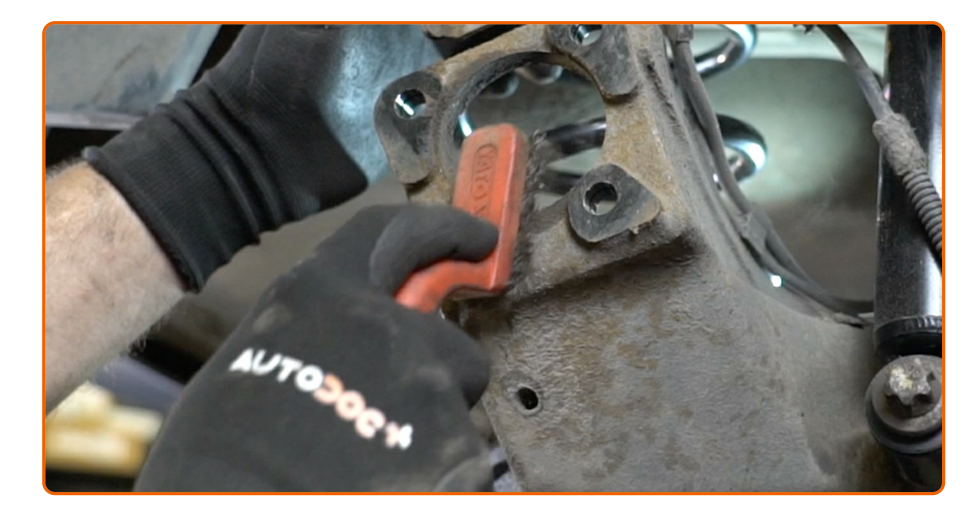
Remove the ABS wiring harness bracket.

24



Remove the hub bearing together with the brake disc protection plate.

25



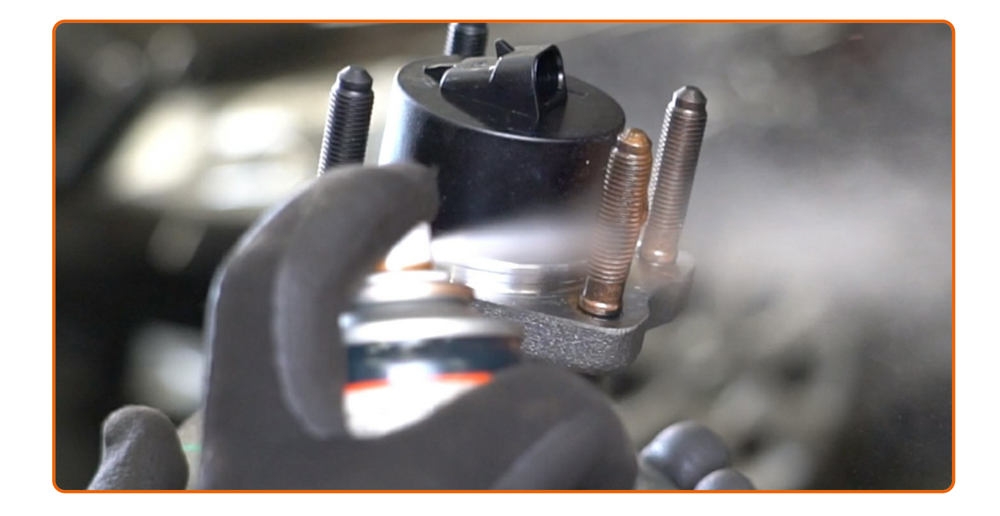
Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.

26



Detach the hub bearing from the brake disc protection plate. Use a hammer.

27



Treat the fasteners of the wheel hub bearing. Use copper grease.

28

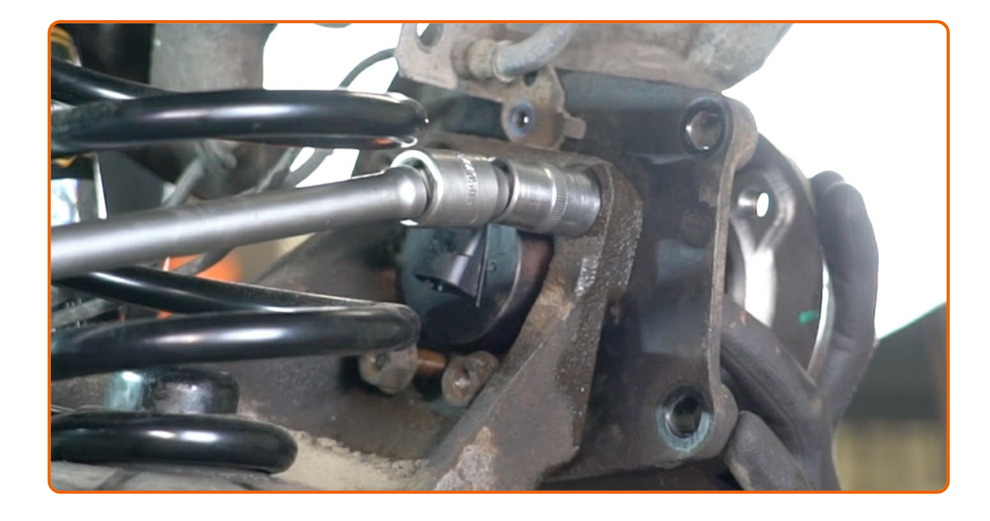
Install a new wheel hub bearing.

29



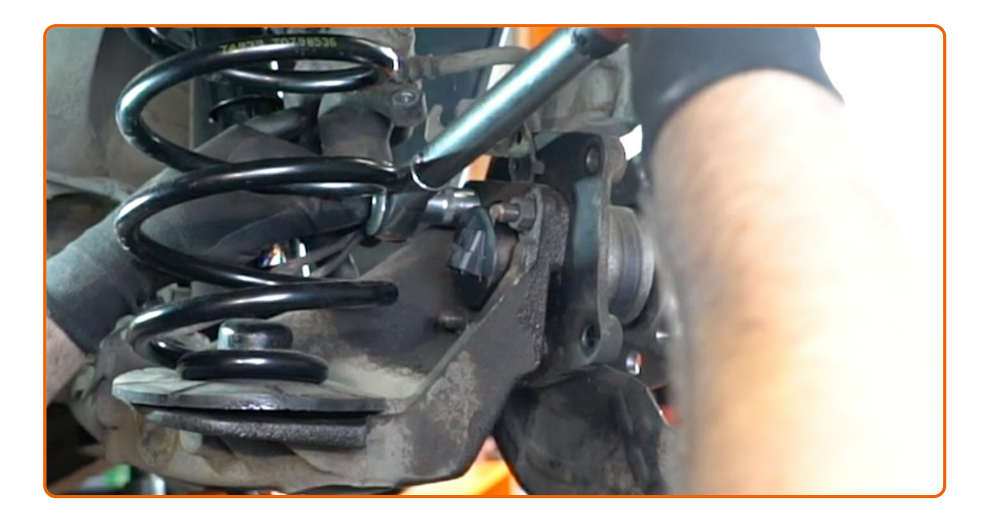
Install the hub bearing together with the brake disc protection plate.

30



Screw in the hub bearing nuts. Use a drive socket #16. Use a ratchet wrench.

31



Tighten the hub bearing nuts. Use a drive socket #16. Use a torque wrench. Tighten it to 68 nm torque.

32



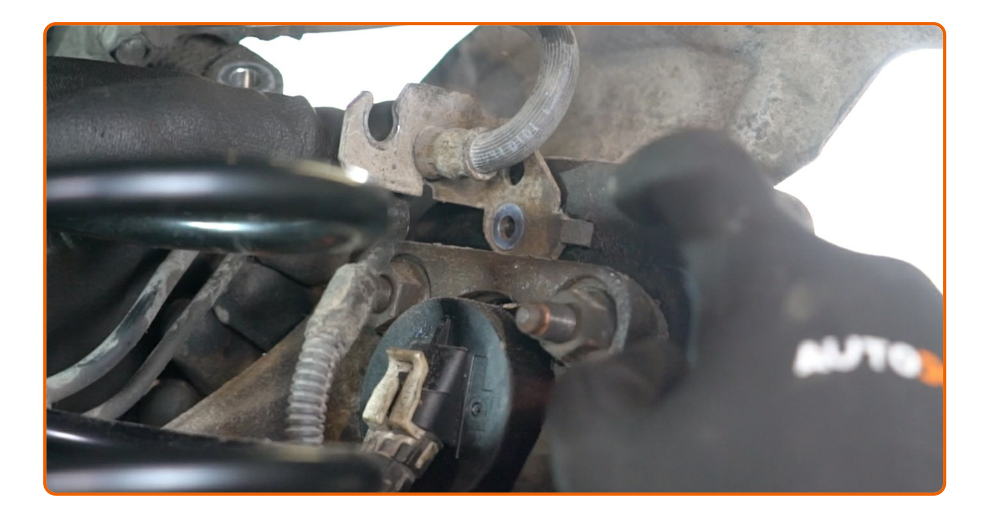
Treat the ABS sensor connector. Use electronic spray.

33



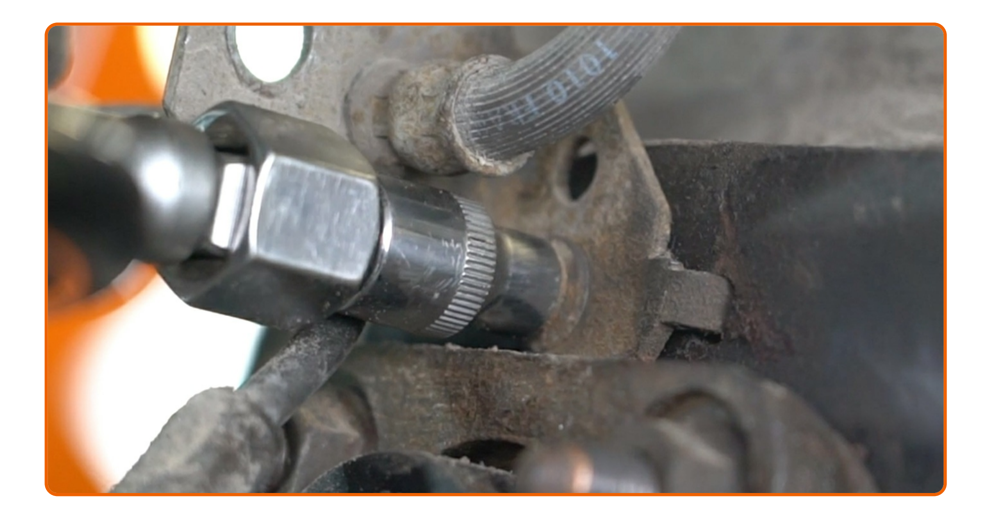
Attach the ABS sensor connector.

34



Install the ABS wiring harness bracket.

35



Tighten the fastener of the ABS wiring harness bracket. Use a drive socket #E8. Use a torque wrench. Tighten it to 7 nm torque.

36



Connect the ABS sensor wiring.

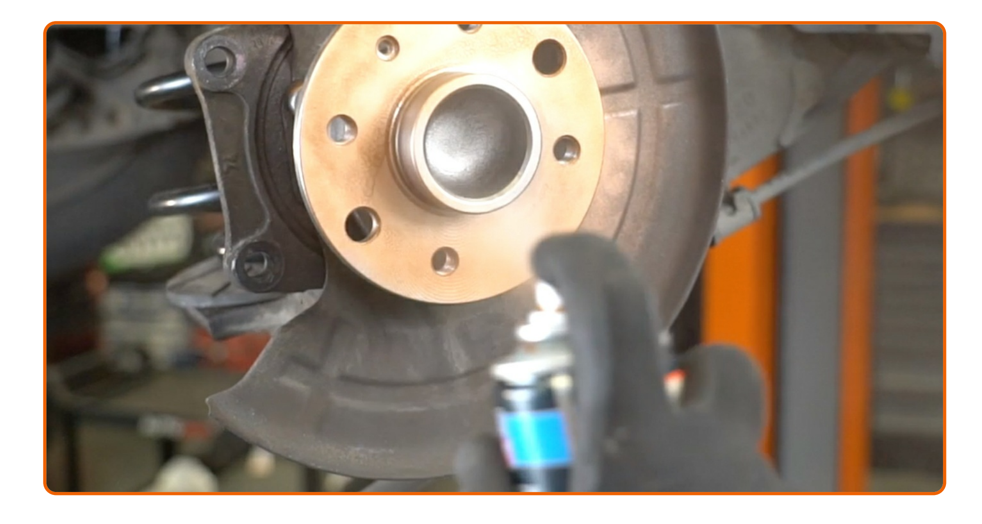
37



Treat the fasteners of the wheel hub bearing. Use copper grease.

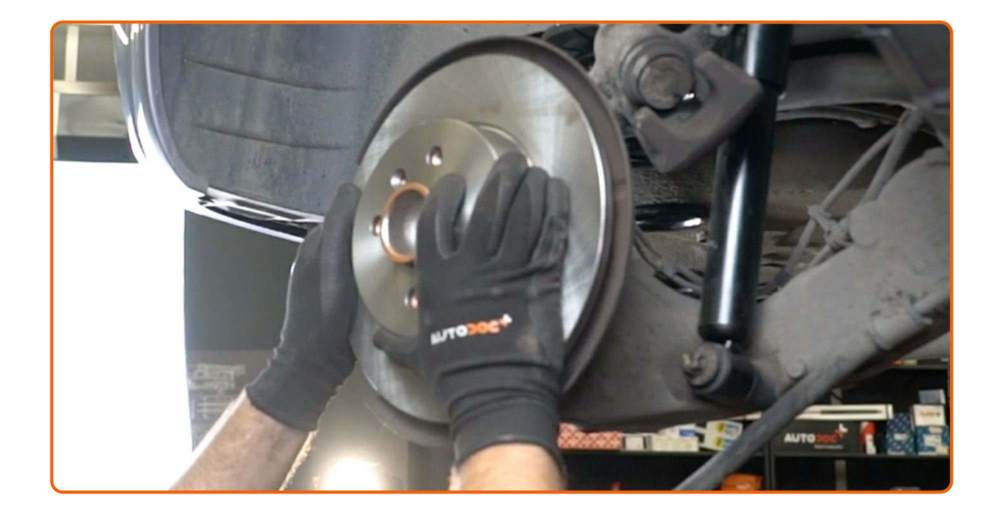


38



Treat the hub where it contacts the brake disk. Use copper grease.

39



Install the brake disc.

40



Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 8 nm torque.

41



Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

Replacement: wheel bearing – Opel Meriva X03. Tip from AUTODOC:

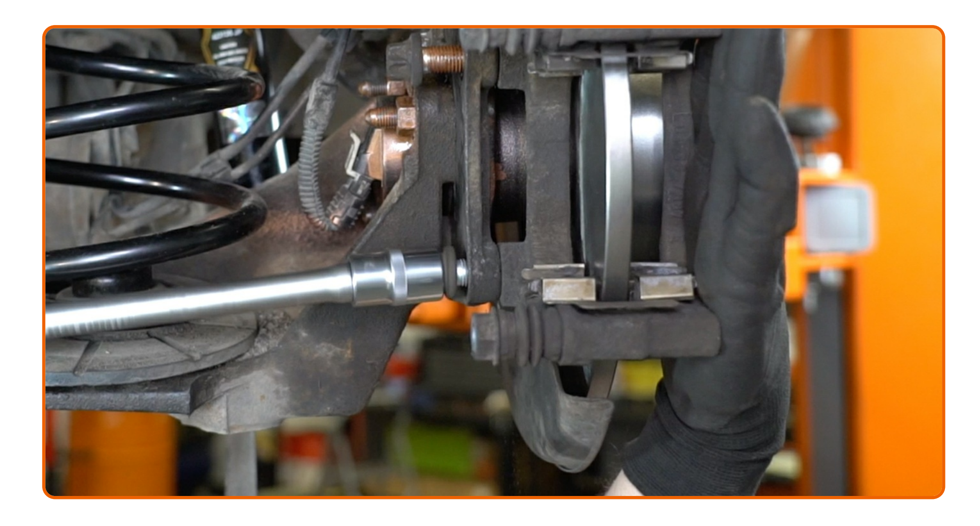
- After applying the spray, wait a few minutes.

42



Install the brake caliper bracket.

43



Tighten the brake caliper bracket. Use a drive socket #E20. Use a torque wrench. Tighten it to 70 nm torque.

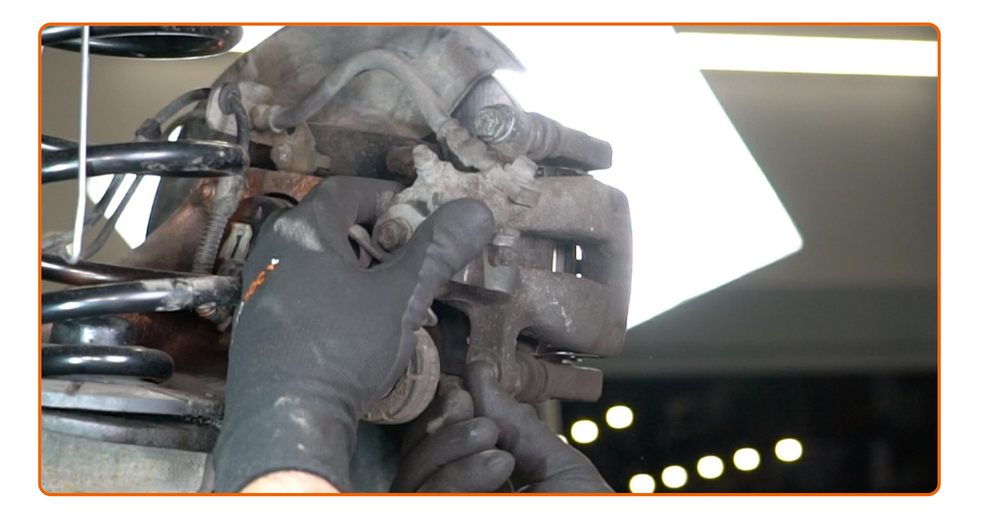


44



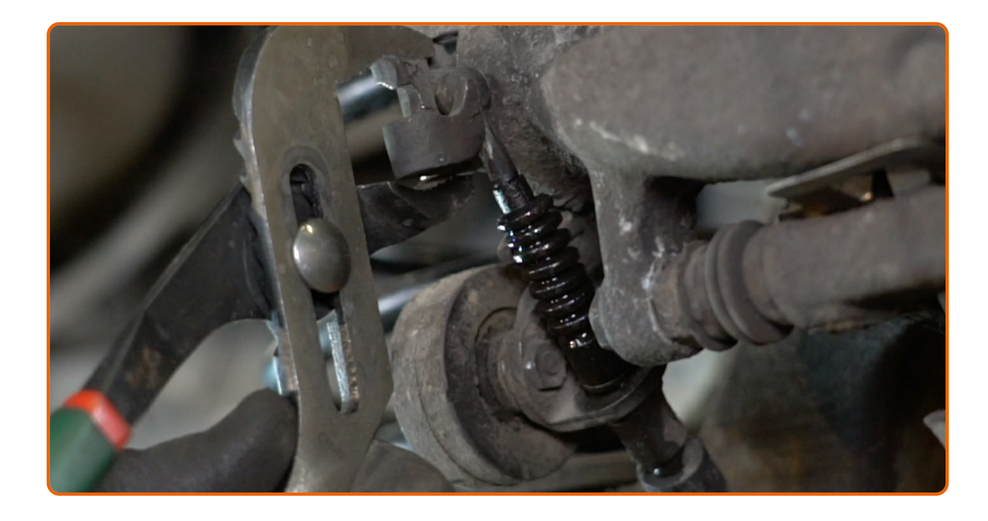
Install the brake pads.

45



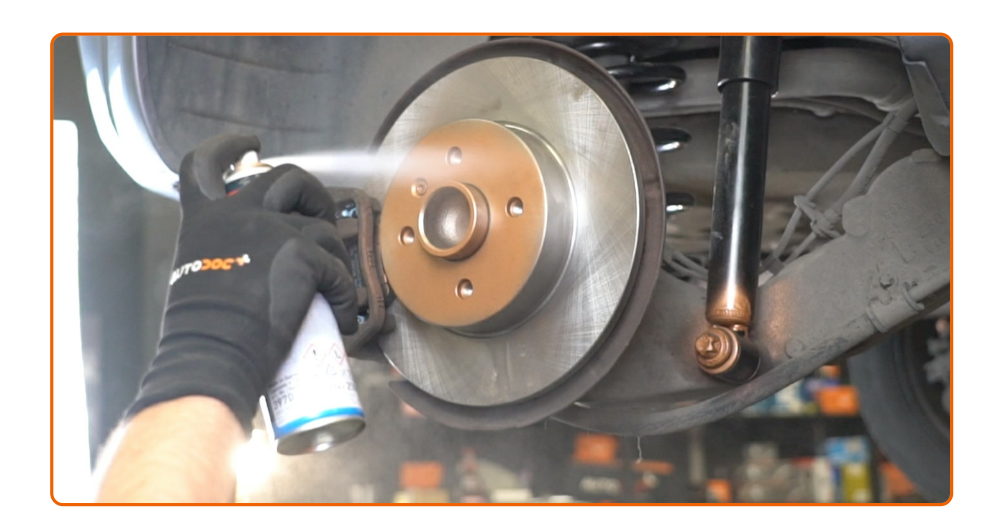
Install the brake caliper and fix it. Use a drive socket #13. Use a combination spanner #17. Use a torque wrench. Tighten it to 35 nm torque.

46



Install the parking brake cable into the brake caliper bracket. Use water pump pliers. Use a crowbar.

47



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

48



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: wheel bearing – Opel Meriva X03. After applying the spray, wait a few minutes.

49



Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Opel Meriva X03

50



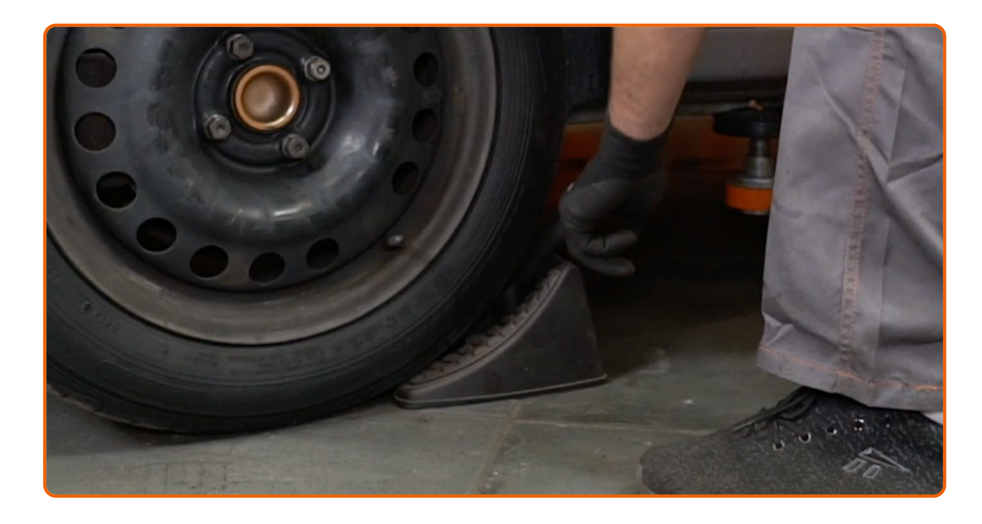
Screw in the wheel bolts. Use wheel impact socket #17.

51



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.

52



Remove the jacks and chocks.



DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO

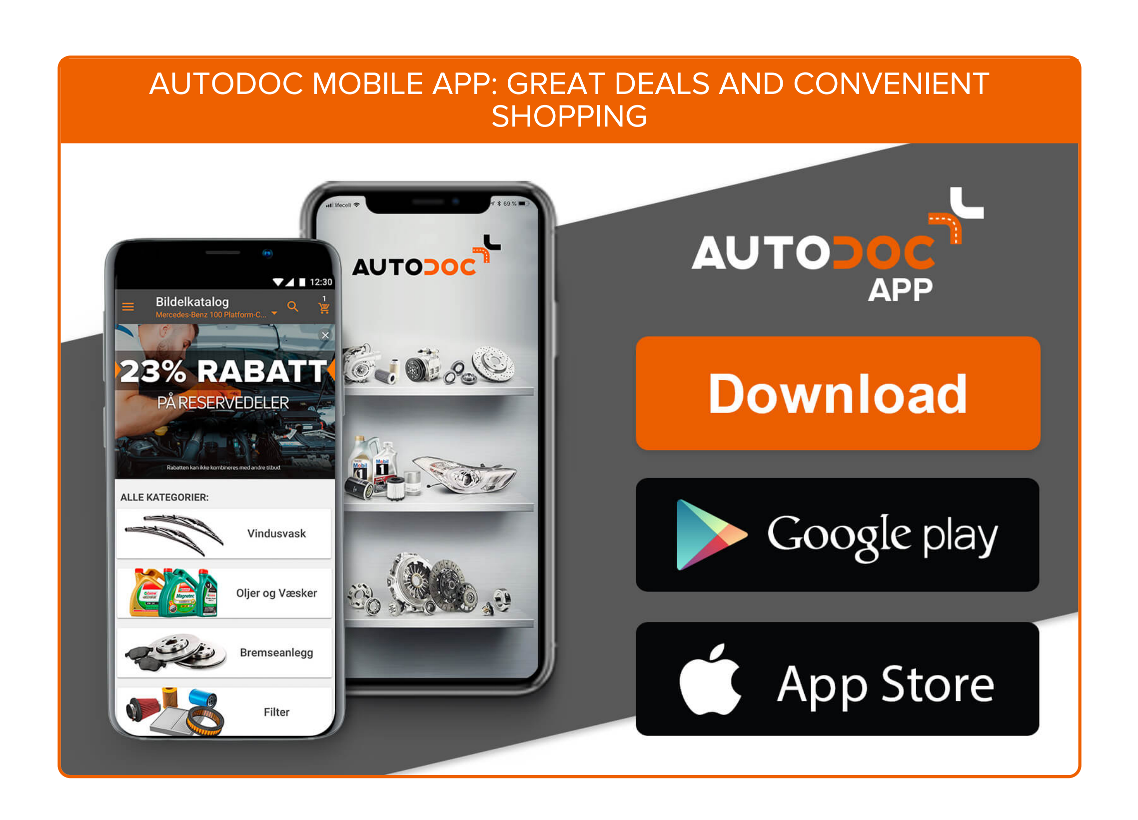


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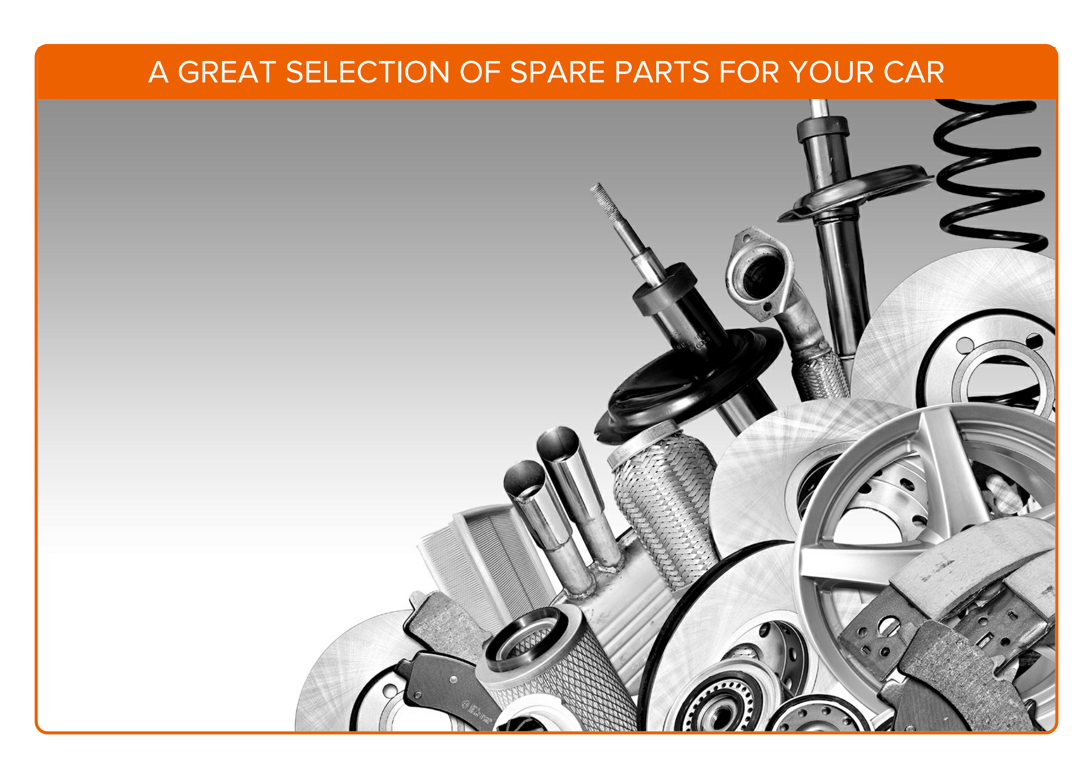


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